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Dated: October 22, 2010  
Electronic Signature for Cynthia L. Kanik, Ph.D.: /Cynthia L. Kanik, Ph.D./

Docket No.: UMY-035RCE  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Heidi A. Tissenbaum *et al.*

Application No.: 10/813,324

Confirmation No.: 5837

Filed: March 29, 2004

Art Unit: 1649

For: NEUROTRANSMITTER SIGNALING CAN  
REGULATE LIFE SPAN IN C. ELEGANS

Examiner: C. M. Borgeest

**AMENDMENT IN RESPONSE TO FINAL OFFICE ACTION**

Amendment AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INTRODUCTORY COMMENTS**

In response to the Final Office Action dated August 6, 2010, please amend the above-identified U.S. patent application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 8 of this paper.